

<https://datarecorder.jp/en/>

Other related products

Converts electric charge output type sensors into voltage output type sensors (1pC → 1mV)

Charge converter
CC-20



10 m/s² vibration tester which allows you to check accelerometers in the field.

Portable calibrator
CA-30



Available in 4 selectable amplifier modules. Compact and expandable up to 64ch.

Data Recorder
LX-1000



Featuring high-bandwidth, multi-channel and long recording time.

Wide-band data recorder
WX-9000 Series



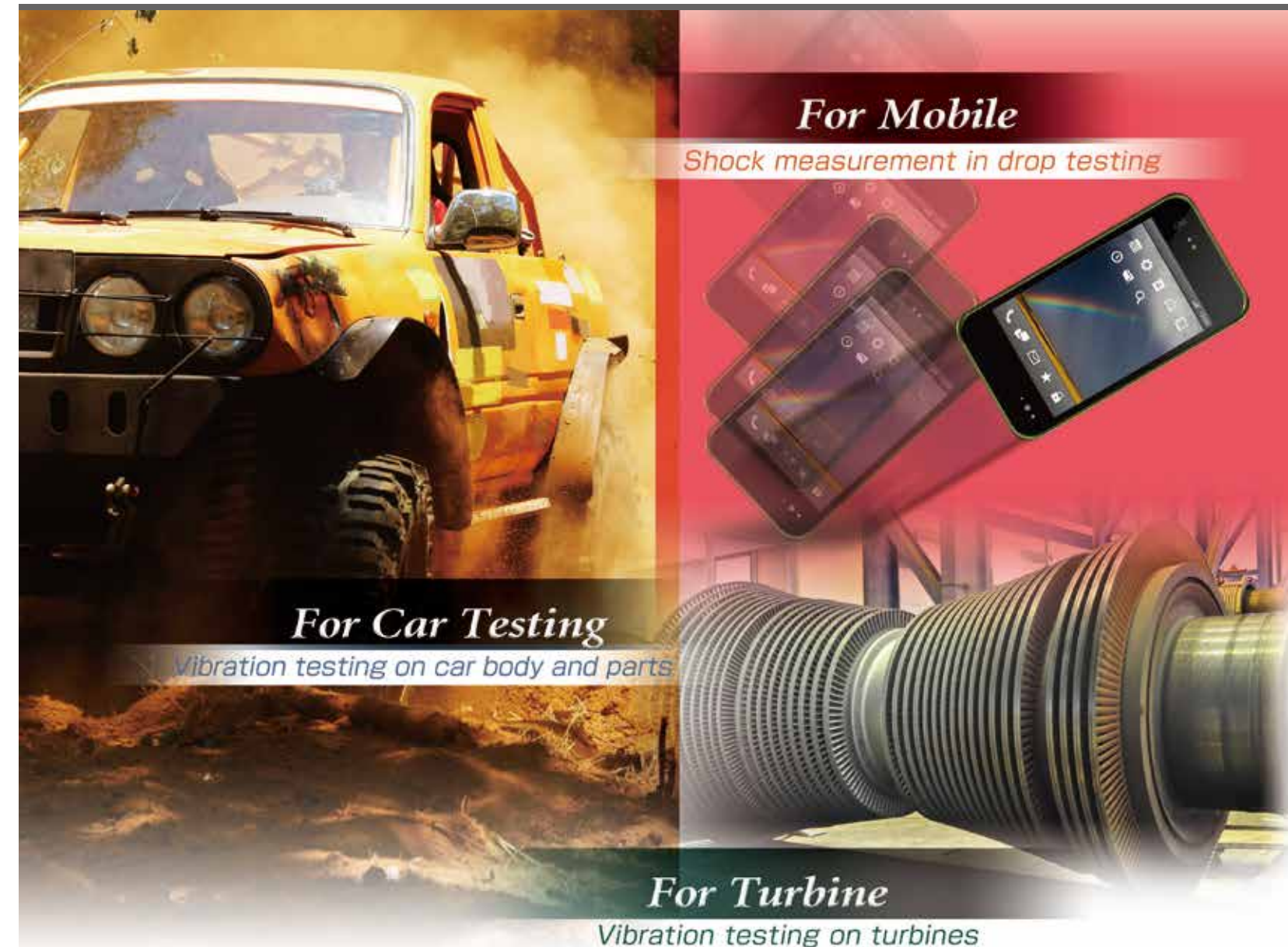
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Features and specifications are subject to change without notice.
Precaution : To ensure safe handling and operation, read the Instruction Manual before use.

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TEDS

Built-in Pre-amplifier

Tiny & Lightweight

Comes with a 3.3m special cable

3 Axes

Waterproof (730ZW)

730ZT / 731ZT / 730ZW (Waterproof) is a 3-axis accelerometer with a built-in pre-amplifier which is 10 cubic millimeter in size and 4.4g in weight. Its high frequency response and tiny super-lightweight feature allow to measure acceleration on small objects. It is also appropriate for various tests on engines because of its high operational temperature.

3 models available to best suit your application

TEDS 1.0mV/m/s² **730ZT**

TEDS 10.0mV/m/s² **731ZT**

Waterproof 1.0mV/s² **730ZW**



3-axis tiny piezoelectric type accelerometer

730ZT/731ZT/730ZW



Spec

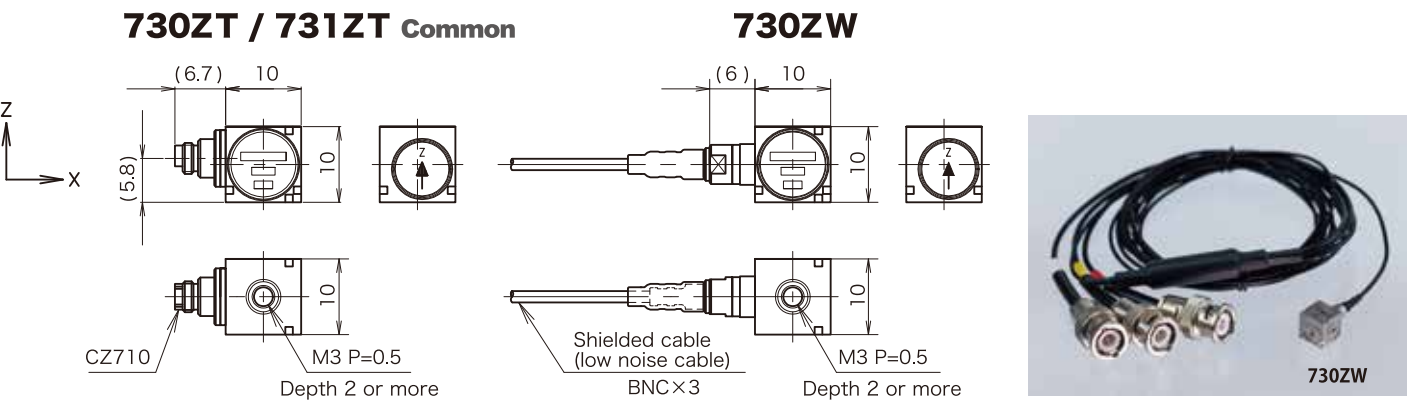
Model	730ZT	730ZW	731ZT
	Standard type	Waterproof type	High sensitivity type
Sensitivity (mV/m/s ²)	1.0 ± 10 % (9.8 mV/g)		10.0 ± 10 % (98 mV/g)
Transverse sensitivity (max)	Less than 5 %		Less than 5 %
Base noise (max)	20 μVrms		40 μVrms
Compensated temperature range	−50 °C ~ 120 °C		−50 °C ~ 110 °C
Frequency response (±3dB)	X, Y axis : 0.5 Hz ~ 15,000 Hz Z axis : 0.5 Hz ~ 20,000 Hz		X, Y axis : 0.5 Hz ~ 10,000 Hz Z axis : 0.5 Hz ~ 18,000 Hz
Resonance Frequency	55 kHz or higher (Z axis)		55 kHz or higher (Z axis)
Max. acceleration (m/s ²)	±5000 (±510g)		±450 (±46g)
Max. tolerated acceleration (m/s ²)	30,000(3,060g) or higher		30,000(3,060g) or higher
Output impedance	Less than 100 Ω		Less than 500 Ω
Ground	Case ground		Case ground
Cable	Proprietary cable CL-730B (3.3m, 4P-BNC)	3.3m (installed-BNC×3)	Proprietary cable CL-730B (3.3m, 4P-BNC)
Connector	CZ710	—	CZ710
Case material	Titanium		
Size (W x H x D)	10 mm x 10 mm x 10 mm (Connector excluded)		
Weight	approx. 4.4 g	approx. 4.9 g (Cable excluded)	approx. 4.4 g
Included	Mount base x1	Mount base x1	Mount base x1
	Mounting screw (M3 x 0.5 x 4) x1	Mounting screw (M3 x 0.5 x 4) x1	Mounting screw (M3 x 0.5 x 4) x1
	CL-730B (3.3m, 4P-BNC)	CL-730B (3.3m, 4P-BNC)	CL-730B (3.3m, 4P-BNC)

Optional accessories

Cable	For 730ZT / 731ZT (3.3m, 4P-Miniature)	CL-730M
	For 730ZT / 731ZT (3.3m, 4P-BNC)	CL-730B
Mount base	For 730ZT / 731ZT 5 pcs included	PS-730Z
Magnet mount	For 730ZT / 731ZT	MG-730Z



Dimensions



Electric charge type

Tiny accelerometer series

611・611W



Model	611	611W
Feature	Super small	Super small Waterproof
Max. Acceleration (m/s ²)	±100,000 (±10,197g)	±10,000 (±1,020g)
Sensitivity (pC/m/s ²)	0.035 (0.34 pC/g)	0.0459 (0.45 pC/g)
Frequency response (Hz) ±3dB	fc~20,000	fc~20,000
Compensated temperature range (°C)	−50~160	−50~160
Cable	3m (installed)	3m (installed)
Weight (g)	approx. 0.2	approx. 0.2
Waterproof rank	—	IPX8

※611W : BUILD TO ORDER

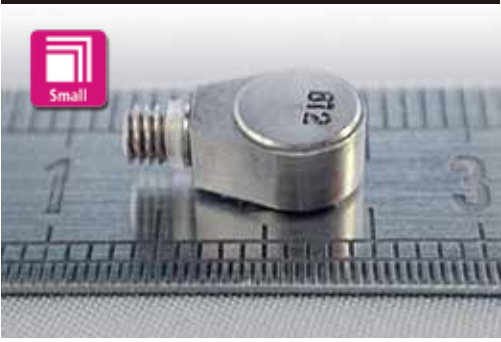
611ZS・611ZSW



Model	611ZS	611ZSW
Feature	Super small	Super small Waterproof
Max. Acceleration (m/s ²)	±25,000 (±2,550g)	±25,000 (±2,550g)
Sensitivity (pC/m/s ²)	0.04 (0.39 pC/g)	0.04 (0.39 pC/g)
Frequency response (Hz) ±3dB	fc~20,000	fc~20,000
Compensated temperature range (°C)	−50~160	−50~160
Cable	3m (installed)	3m (installed)
Weight (g)	approx. 1.2	approx. 1.3
Waterproof rank	—	IPX8

※611ZSW : BUILD TO ORDER

612



Model	612
Feature	Small
Max. Acceleration (m/s ²)	±10,000 (±1,020g)
Sensitivity (pC/m/s ²)	0.17 (1.68 pC/g)
Frequency response(Hz) ±3dB	fc~18,000
Compensated temperature range	−50~160 (°C)
Weight (g)	0.8

